

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
12 January 2006 (12.01.2006)

PCT

(10) International Publication Number
WO 2006/003677 A1

(51) International Patent Classification⁷: **C07D 277/82**

(21) International Application Number:
PCT/IN2005/000127

(22) International Filing Date: 25 April 2005 (25.04.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
706/MUM/2004 1 July 2004 (01.07.2004) IN

(71) Applicant (for all designated States except US): **ALEM-
BIC LIMITED** [IN/IN]; Alembic Road, Gujarat, Vado-
dara 390 003 (IN).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MISTRY, Dhiren,**
N. [IN/IN]; Alembic Limited, Alembic Road, Gujarat,
Vadodara 390 003 (IN). **SONI, Kamlesh, S.** [IN/IN];
Alembic Limited, Alembic Road, Gujarat, Vadodara
390 003 (IN). **VASOYA, Sanjay, L.** [IN/IN]; Alembic
Limited, Alembic Road, Gujarat, Vadodara 390 003 (IN).
KANSAL, Vinod, Kumar [IN/IN]; Alembic Limited,
Alembic Road, Gujarat, Vadodara 390 003 (IN).

(74) Agents: **MAJUMDAR, Subhatosh** et al.; S. Majumdar
& Co., 5, Harish Mukherjee Road, State of West Bengal,
Calcutta 700 025 (IN).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM,
PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM,
SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN,
YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

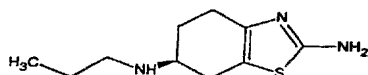
- as to the applicant's entitlement to claim the priority of the
earlier application (Rule 4.17(iii)) for all designations
- of inventorship (Rule 4.17(iv)) for US only

Published:

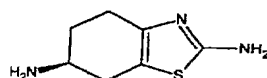
- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: IMPROVED PROCESS FOR THE PREPARATION OF BIOLOGICALLY ACTIVE TETRAHYDROBENZTHIA-
ZOLE DERIVATIVE



(I)



(II)

(57) Abstract: Improved process for the preparation of the intermediate compound of formula II for formation pramipezole of formula (I) as well as the biological active tetrahydrobenzothiazole compound of formula (I) and/or its pharmaceutically acceptable salts or solvates.

WO 2006/003677 A1